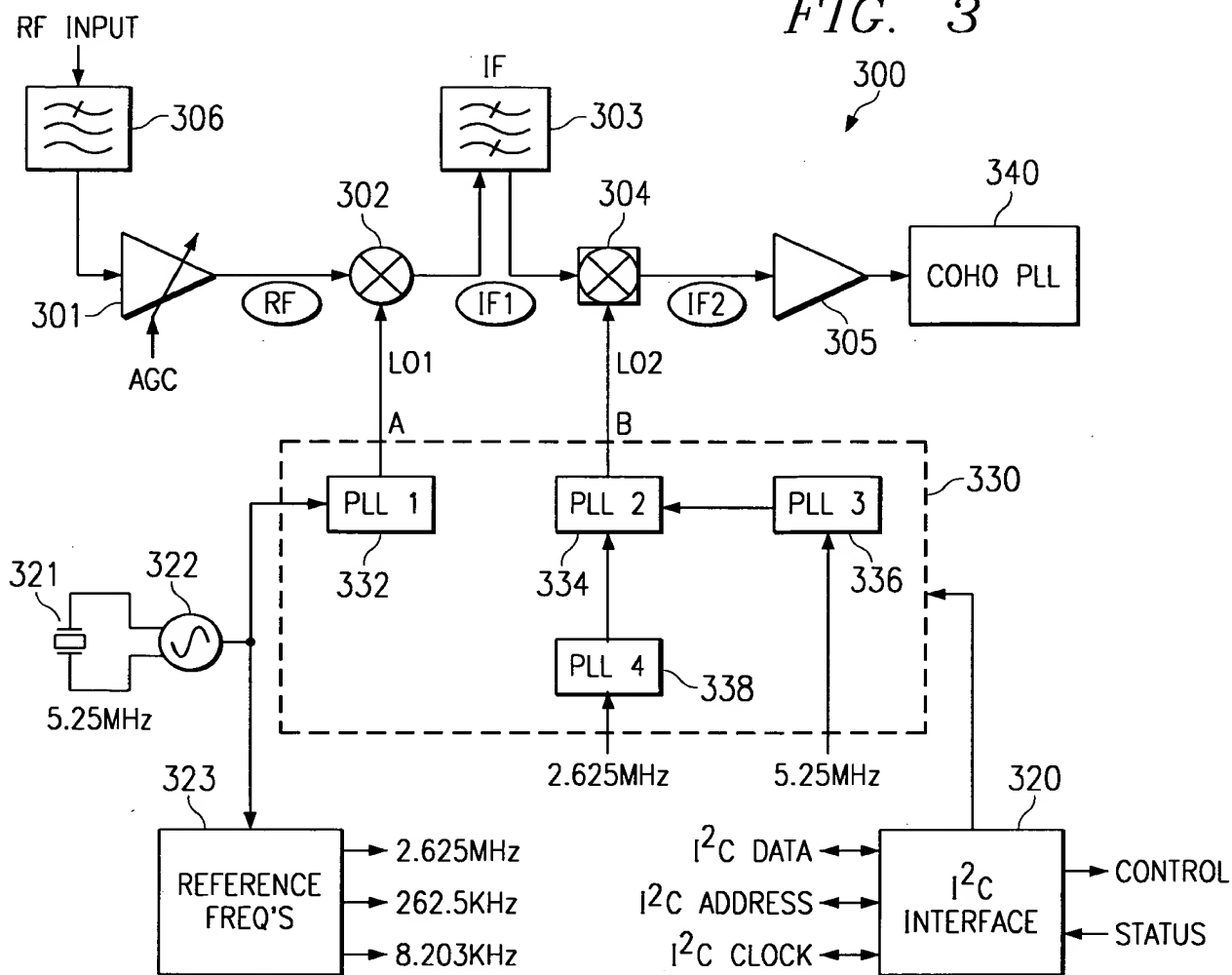


FIG. 3



406	400		402		404	
	CELLULAR-GSM		CELLULAR-D-AMPS		CABLE TELEPHONY	
CHANNEL BW	200kHz		30kHz		375kHz	
FRAME	4.615 msec		40 msec		40 msec	
SLOTS/FRAME	8		3		64	
MODULATION	GMSK		$\pi/4$ -DQPSK		256-QAM	
TOTAL BIT RATE	270kb/s		48kb/s		2690kb/s	
BITS/Hz	1.35		1.6		7.2	
BIT RATE/SLOT	34kb/s		16kb/s		42kb/s	
NET BIT RATE	13kb/s		8kb/s		13kb/s	
POWER SAVED*	65.8%		64.1%		95.9%	

* ASSUMING 1 msec OVERHEAD (LOCK TIME)

FIG. 4